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EPL-48-100LED-PND

Explosion Proof Low Profile Linear LED Light - C1D1 - 120-277V AC 50/60 Hz - Pendant/Ceiling Mount

Product ID: 64210

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

EPL-48-100LED-PND Explosion Proof Linear LED Fixture
Lamp Type: LED
Dimensions: 47.46" x 6.98" x 4.25"
Weight: 26 lbs
Voltage: Universal 120-277V AC 50/60 hz
Total Watts: 68W
Lumens: 7,250
Luminous Efficacy: 106 lm/w
LED Lamp Life Expectancy: 50,000+ Hours
Color Temp: 5000K
Beam Angle: Circular
THD: < 20%
Power Factor: > 0.9
Ambient Operating Temp Range: -40°C to 65°C
Materials: Aluminum w/ Tempered Glass Lens
Finish: Sealed Polyester Top Coat, Chemical Resistant Primer
Mounting: Pendant/Ceiling
Wiring Hub: (1) 3/4" Threaded NPT @ Side, (2) 3/4" Threaded NPT @ Ends

Ratings
Class I, Divisions 1&2 Groups C & D
NRTL Certified to UL 1598/A
NRTL Certified to UL 844
NRTL Certified to CSA 22.2 No. 137
NRTL Listed for United States & Canada
IP66 Rated
NEMA 4X
IEC 61000-3-2
EN 61000-4-5

Special Orders - Special Requirements
Contact us for special requirements
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Made in the Texas

The Larson Electronics EPL-48-100LED-PND Explosion Proof Low Profile Linear LED Light is a suitable replacement for HID and incandescent fixtures in flammable work sites. This 68-watt, T4A-rated unit emits 7,250 lumens of white light. The IP66-rated LED lamp is compatible with

pendant/ceiling mount configurations, via threaded hubs convieniently located at the side and ends of the luminary.
The EPL-48-100LED-PND is comprised of solid state design LEDs, making this explosion proof led fixture highly resistant to shock and vibrations and cooler running than comparable incandescent and HID light fixtures. This 68-watt LED fixture produces 7,250 lumens of white light with a 5,000K color temperature rating and 70 CRI rating. The explosion proof LED lamp is multi-voltage capable and can be operated with 100-277V AC, 50/60Hz without any need for a special ballast. Surge protection includes 4 kV line-to-line and 4kV line-to-ground.
This LED fixture is constructed of aluminum with a dual coat finish for durability in rugged environments. The lens is made out of tempered glass. This Class I, Division 1 & 2 explosion proof luminary is IP66 rated and complies with IEC 61000-3-2, FCC Title 47 (Subpart B, Section 15) and EN 61000-4-5.



Click Photo to Enlarge

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LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.
LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.
Mounting: The EPL-48-100LED-PND is compatible with pendant/ceiling mount configurations. One 3/4" threaded NPT hub located at the side and two 3/4" threaded NPT hubs located at the ends of the explosion proof LED fixture can be used to complete conduit mounting.
Applications: Chemical processing, flammable work sites, oil and gas facilities, food processing plants, manufacturing, warehouses and more.
At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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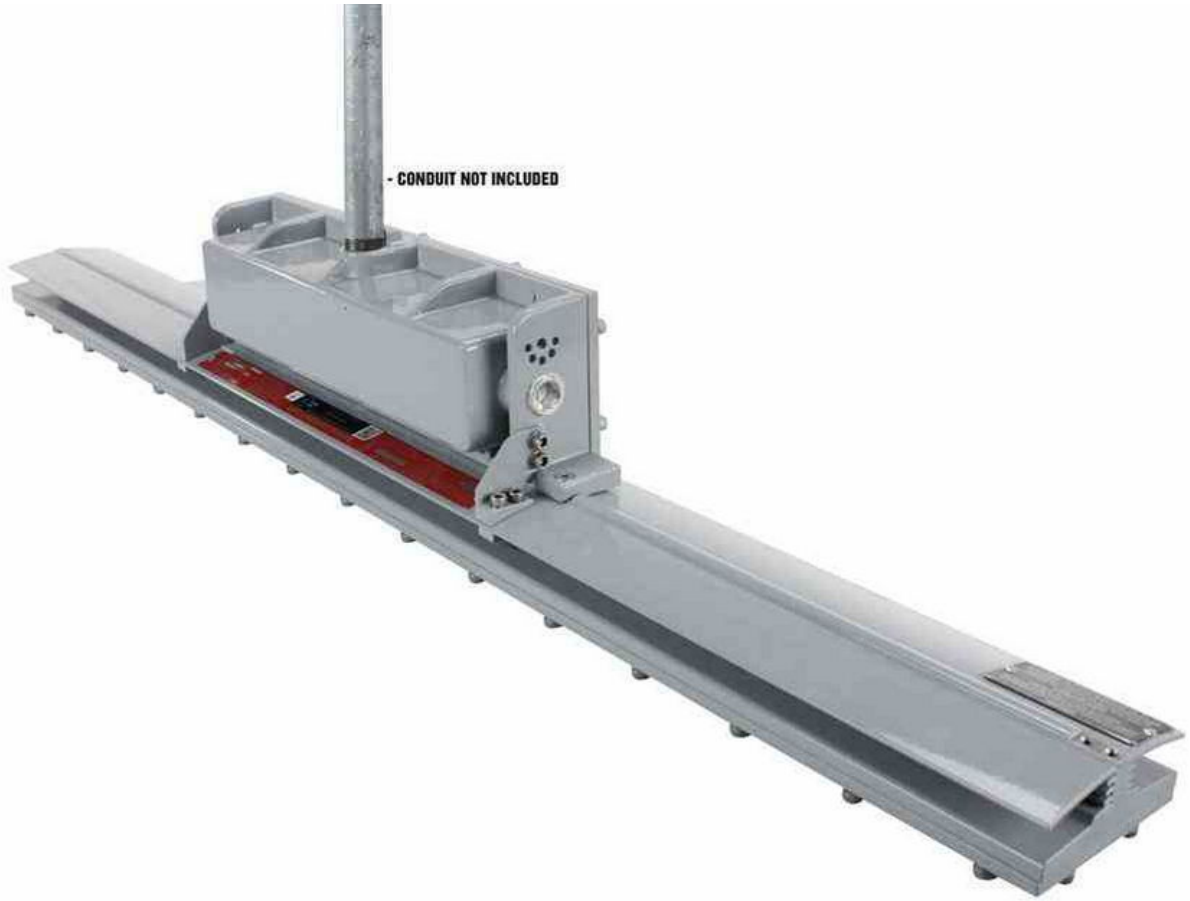
Frequently Asked Questions (FAQ)

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- CONDUIT NOT INCLUDED



EPL-48-100LED-PND

Product ID: 64210

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- Dimensional Drawing 2D
- DXF (2D CAD Model)
- IES (Photometric File)
- Operations Manual
- SpecSheetSpanish
- STEP File (3D CAD Model)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- Video1
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map